IAP12 Rec'd PCT/PTO 0 6 JUN 2007

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE CUSTOMER NO. 22,852 ATTORNEY'S DOCKET NUMBER: 07553.0065 (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 U.S. APPLICATION NO. if known, see 37 CFR 1.5 10/591,645 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/JP2005/003609 March 3, 2005 March 5, 2004 TITLE OF INVENTION PROBE AND METHOD OF MANUFACTURING PROBE APPLICANT(S) FOR DO/EO/US 1) Katsuya OKUMURA and 2) Toshihiro YONEZAWA Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 U.S.C 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). 4. A copy of the International Application as filed (35 U.S.C. 371 (c)(2)). is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed with the United States Receiving Office (RO/US). 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)). are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 9. 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). Items 11 to 20 below concern document(s) or information included: Information Disclosure Statement under 37 CFR 1.97 and 1.98 11. 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. A preliminary amendment, with Abstract. 14. An Application Data Sheet under 37 CFR 1.76. 15. A Substitute specification. A power of attorney and/or change of address letter. 16. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825. 18. A second copy of the published International Application under 35 U.S.C. 154 (d)(4). 19. A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4). 20. Other items or information: Cover page of WIPO Publication No. WO 2005/085877 A1. \boxtimes Copy of Notification of Missing Requirements. Copy of Receipt Card from OIPE.. C. d. \boxtimes Response Notification Of Missing Requirement. Copy of English language translation of the as-filed International Application filed in the USPTO on September 5, 2006. f. \boxtimes

U.S. APPLIC 10/591,645	CATION NO. (if knowr	n, see 37 CFR 1.5)	INTERNATIONAL APPLICATIONAL APPLICATION PCT/JP2005/003609	TION NO.		ATTORNEY'S DOO NUMBER 07553.0		
N	The following fees ha	ve been submitted:		· · · · · · · · · · · · · · · · · · ·		CALCULATIONS	PTO Use	
21. 🛛	BASIC NATIONAL FI	EE (37 CFR 1.492(a)):	•••••••••••••••••••••••••••••••••••••••	\$300.00			Only	
22. 🛛 E	Examination fee (37Cl	FR 1.492(c))						
by IPi	EA/US indicates all cla	aims satisfy provisions of PC	preliminary examination repor T Article 33(1)-(4)	\$0				
23. S If the written IPEA Search fee (Intern International	Search fee (37 CFR 1 opinion of the ISA/US /US indicates all claim (37 CFR 1.445(a)(2)) I national Searching Aut I Search Report prepa ously communicated to	.492(b)) S or the International prelimings satisfy provisions of PCT and the international prelimings satisfy provisions of PCT and the international by an ISA other than the othe US by the IB	nary examination report prepa Article 33(1)-(4) tional application to the USPT US and provided to the Offic	red by \$0 O as an \$100 e or \$400				
		TOTAL of 2	1, 22 and 23 =					
☐ Addition		***************************************						
То	otal Sheets	Extra Sheets	Number of each additional thereof (round up to a who		Rate			
1	7 - 100 =	/50=			x \$250.00			
Surcharge o commencem	of \$130.00 for furnishing the next of the national sta	ng any of the search fee, exa age (37 CFR 1.492(h)).	mination fee, or the oath or de	eclaration after the da	ate of			
	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	 			
Total Claims	6	4 - 20 =	0	x \$50.0	0			
Independent	t Claims	2 -3 =	0	x \$200.0	00			
MULTIPLE (DEPENDENT CLAIM(S) (if applicable)		+\$360.0	00			
			TOTA	L OF ABOVE CALC	ULATIONS =			
☐ Applicant	t claims small entity st	atus. See 37 CFR 1.27. Fe	es above are reduced by 1/2.					
					SUBTOTAL =			
Processing f 1.492(i)).	fee of \$130.00 for furn	ishing the English translation	n later than 30 months from th	e earliest priority dat	e (37 CFR +			
				TOTAL NATI	ONAL FEE =			
Fee for recor	rding the enclosed as: (37 CFR 3.28, 3.31).	signment (37 CFR 1.21 (h)). \$40.00 per property.	The assignment must be acc	companied by an app	oropriate +			
TOTAL FEES ENCLOSED =								
						Amount to be refunded:	\$	
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a. 🔲 A d	check in the amount o	of \$ to c	cover the above fees is enclos	ed.				
	Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. 🛛 Th	ne Commissioner is he b. <u>06-0916</u> . A duplica	reby authorized to charge a te copy of this sheet is enclo	ny additional fees which may lesed.	pe required, or credit	any overpaym	ent to Deposit Accou	ınt	
d. 🗍 Fe	es are to be charged to this form. Provide c	to a credit card. WARNING: redit card information and a	Information on this form may uthorization on PTO-2038.	become public. Cre	dit card infor	mation should not t	e included	
NOTE: Who	ere an appropriate ti restore the internation	me limit under 37 CFR 1.49 onal Application to pendin	95 has not been met, a petiti g status.	on to revive (37 CF	R 1.137(a) or	(b)) must be filed ar	nd granted	
	CORRESPONDENC	•						
901 New Yor	rk Avenue, N.W.	Sarrett & Dunner, L.L.P.	SIGNATU	Co /felf	<u> </u>			
Washington, DWH/FPD/s	, DC 20001-4413 ci			Hill/28,220		ERNEST F. CHA		
DATED: Jun	ne 6, 2007		NAME/RE	GISTRATION NUMB	BER	Reg. No. 25,96	ı	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Katsuya OKUMURA et al.) Group Art Unit: Not Yet Assigned
Application No.: 10/591,645) Examiner: Not Yet Assigned
Filed: Not Yet Assigned))
National Stage of International Application No. PCT/JP2005/003609 under 35 U.S.C. 371, for PROBE AND METHOD OF MANUFACTURING PROBE))))
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
Sir:	

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 ISSUED IN ERROR

The Notification of Missing Requirements dated May 7, 2007, indicates that the English language translation of the above-identified application is missing and must be furnished within two months from the date of this Notice or by 32 months from the priority date for the application. It is respectfully submitted that this notice has been issued in error and should be withdrawn.

In response to the Notification of Missing Requirements, enclosed is a copy of the as-filed English-language translation filed on September 5, 2006. Also enclosed is a copy of the receipt card from OIPE dated September 5, 2006, to corroborate that the translation was filed on that date.

Customer No. 22,852

Attorney Docket No. **07553.0065**

In view of the fact that the English-language translation was properly filed on

September 5, 2006, applicants submit that the requirements for submission of an

English-language translation has been made in error. All of the requirements were met

on September 5, 2006, including the payment of a filing fee of \$940.00 (\$900.00 for

filing fee and \$40.00 for assignment fee) and authorization to charge any additional

filing fees to the designated deposit account.

Since the English-language translation was timely filed on September 5, 2006,

there should be no fee required for the submission of the enclosed copy of the English-

language translation. Accordingly, it is respectfully requested that the requirement of

any processing fees should be withdrawn. However, if it is determined that such a fee

is required, authorization is given to charge the fee to our deposit account no. 06-0916.

Please associate the enclosed copy of the English-language translation with the

application as filed on September 5, 2006, and assigned serial number 10/591,645.

By

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,

GARRETT & DUNNER, L.L.P.

Dated: June 6, 2007

Reg. No. 28,220

Enclosures

DWH/FPD/sci

ERNEST F. CHAPMAN Reg. No. 25,961

-2-



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS Alexandria, Virginia 22313-1450

www.uspto.gov

U.S. APPLICATION NUMBER NO.

FIRST NAMED APPLICANT

ATTY. DOCKET NO.

10/591,645

Katsuya OKUMURA

07553.0065

INTERNATIONAL APPLICATION NO.

22852 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413

PCT/JP05/03609

I.A. FILING DATE PRIORITY DATE 03/03/2005 03/05/2004

CONFIRMATION NO. 1797 371 FORMALITIES LETTER

OC000000023721863

Date Mailed: 05/07/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 09/05/2006
- Copy of the International Search Report filed on 09/05/2006.
- Copy of IPE Report filed on 09/05/2006
- Preliminary Amendments filed on 09/05/2006
- Information Disclosure Statements filed on 09/05/2006
- Oath or Declaration filed on 09/05/2006
- U.S. Basic National Fees filed on 09/05/2006
- Assignment filed on 09/05/2006

Mr. It

• Priority Documents filed on 09/05/2006



The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

• Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

RTK

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

FRANCINE YOUNG

Telephone: (703) 308-9140 EXT 215

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PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.	
10/591,645	PCT/JP05/03609	07553.0065	

FORM PCT/DO/EO/905 (371 Formalities Notice)

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DWH/USP

PLEASE STAMP TO ACKNOWLEDGE RECEIPT OF THE FOLLOWING:

National Stage of International Application No. PCT/JP2005/003609 under 35 U.S.C. 371, for PROBE AND METHOD OF MANUFACTURING PROBE

Inventors:

1) Katsuya OKUMURA and 2) Toshihiro YONEZAWA

MAIL STOP PCT

- 1. Check in the amount of \$940.00
- 2. Transmittal Letter concerning a filing under 35 U.S.C. 371. (Duplicate)
- 3. First Preliminary Amendment, including 4 claims (as amended), with Abstract
- 4. Cover page of WIPO Publication No. WO 2005/085877 A1
- 5. English translation of International Application No. PCT/JP2005/003609, comprising 14 sheets, including 5 claims, and 3 sheets of drawings
- 6. Declaration of the inventors
- 7. Information Disclosure Statement and Information Disclosure Citation, PTO-1449 with documents attached
- 8. Assignment Recordation Form Cover Sheet.
- 9. Assignment document for recording.

Dated: September 5, 2006

Docket No.: 07553.0065

CUSTOMER NUMBER: 22,852 DWH/FPD/sci - Mail Drop 610A (Due Date: September 5, 2006)

Deto 9.606 pm a

(19) 世界知的所有権機関 国際事務局



(43) 国際公開日 2005 年9 月15 日 (15.09.2005)

PCT

(10) 国際公開番号 WO 2005/085877 A1

(51) 国際特許分類7:

G01R 1/067, H01L 21/66

(21) 国際出願番号:

PCT/JP2005/003609

(22) 国際出願日:

2005年3月3日(03.03.2005)

(25) 国際出願の言語:

日本語

(26) 国際公開の言語ト

日本語

(30) 優先権データ:

特願2004-063228 2004年3月5日(05.03.2004) JP

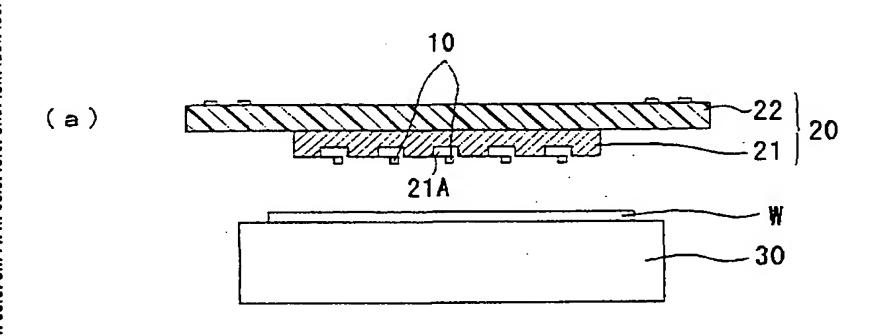
(71) 出願人 (米国を除く全ての指定国について): 株式会 社オクテック (OCTEC INC.) [JP/JP]; 〒1600011 東京 都新宿区若葉一丁目22番地1-103 Tokyo (JP). 東京エレクトロン株式会社 (TOKYO ELECTRON LIMITED) [JP/JP]; 〒1078481 東京都港区赤坂五丁目 3番6号 Tokyo (JP).

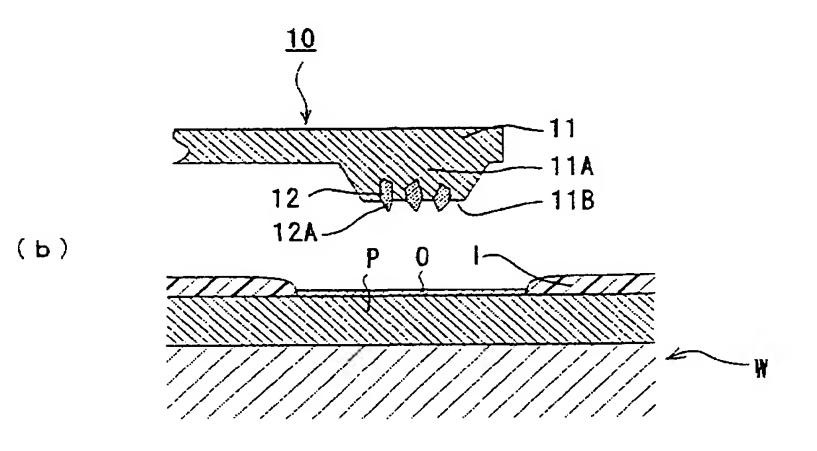
- (72) 発明者; および
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- (74) 代理人: 金本 哲男, 外(KANEMOTO, Tetsuo et al.); 〒1620065 東京都新宿区住吉町 1-1 2 新宿曙橋ビ ル はづき国際特許事務所 Tokyo (JP).

/続葉有]

(54) Title: PROBE AND PROBE MANUFACTURING METHOD

(54) 発明の名称: プローブ及びプローブの製造方法





Since microminiatur-(57) Abstract: ization of a wiring structure and film thinning have been rapidly progressed due to speed increase, the wiring layer has become extremely thin. Therefore, when an inspection is performed by applying a contact load on a probe as in the conventional cases, the probe penetrates not only an oxide film but also the wiring layer, and the wiring layer and an insulating layer are damaged due to concentrated stress from the probe. On the contrary, when the contact load is reduced, electrical continuity between the probe and an electrode pad becomes unstable. A probe is provided to surely and stably inspect an inspecting object by penetrating an oxide film with a low needle pressure. At the time of performing electrical characteristic inspection on the inspecting object, the probe is electrically brought into contact with the inspecting object. The probe is provided with a probe main body whereupon a contact part for contacting the inspecting object is formed, and a plurality of conductive materials having leading edge parts protruding from the contact part of the probe main body.

(57) 要約: 高速化に伴って配線構造の 微細化、薄膜化が急激に進み、配線

層が極めて薄くなってきているため、従来のようにブローブに接触荷重を掛けて検査を行うとプローブが酸化膜の みならず配線層をも貫通し、また、プロー

[続葉有]